



Group description

The Applied Electromagnetics Group at the University of Adelaide is always looking for motivated students to re-inforce its international research team.

The group's research covers many aspects of modern electromagnetic technologies, with focus points related to

- Antennas and their applications
- Microwave Passive devices
- Micro- and nano-structures inspired by radio-frequency antennas

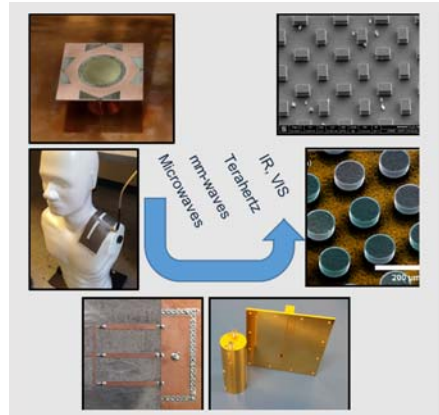
The team enjoys a high international reputation and is led by Prof. Fumeaux, Editor-in-Chief of the IEEE Antennas and Wireless Propagation Letters.

Specific projects

Current research projects include:

- Wearable antennas for biomedical and safety applications.
- Reconfigurable antennas for future communication systems.
- Substrate-integrated technologies towards higher frequencies.
- Novel non-metallic conductive materials for flexible and conformal antennas (e.g. graphene).
- Optical nano-structures for planar optical components.
- Terahertz reflectarrays/metasurfaces.

The Applied Electromagnetics Group aims at producing theoretically founded research work at the highest standard. All projects encompass all engineering steps from novel concepts to design/simulation and thorough experimental validation.



Student attributes

We are looking for motivated students with high academic credentials and solid background in one of the following areas of interest:

- Electromagnetic simulations
- Antennas and propagation
- Microwave Engineering
- Metamaterial and metasurfaces

We offer a supportive, diverse and dynamic research environment with access to state-of-the-art tools.

For further enquiries

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